

AMENDMENTS TO THE CLAIMS

The listing of claims will replace the previous version, and the listing of claims:

Listing of Claims

1-12. (cancelled)

13. (Previously presented) A tool for production of a cast component from molten titanium alloy, comprising a casting mold,

wherein the casting mold comprises at least first and second layers, the first layer forming a mold wall area that comes into contact with the molten titanium alloy and the second layer forming a backfilling stabilization area for the mold wall area;

wherein both the first layer and the second layer consist essentially of yttrium oxide, magnesium oxide and calcium oxide; and

wherein the second layer, which backfills the first layer, has less yttrium oxide and is more coarsely grained than the first layer.

14. (Previously presented) A tool as defined in claim 13, wherein the second layer has walls thicker than the first layer.

15. (Previously presented) A method for production of a casting mold for a cast component from molten titanium alloy, comprising the steps of:

providing a component wax model which has geometrical dimensions of a precision-casting component to be produced with the casting mold,

coating the component wax model with a slurry material consisting essentially of water, yttrium oxide, magnesium oxide and calcium oxide, wherein the slurry material is spread in multiple

layers on the component wax model in such a way that the casting mold with at least a two-layer construction is created wherein a first layer of the casting mold forms a mold wall area which comes into contact with the molten titanium alloy, and a second layer of the casting mold forms a stabilization area which backfills the mold wall area,

drying and hardening the coating for the casting mold, and

removing the component wax model from the casting mold,

wherein the slurry material for formation of the second layer which backfills the first layer has less yttrium oxide and is more coarsely grained than the slurry material for formation of the first layer.

16. (Currently Amended) A method for production of a cast component from a molten titanium alloy, comprising the steps of:

providing the casting mold as defined in claim 15,

filling the ~~nonferrous molten metal~~ molten titanium alloy into the casting mold,

solidifying the molten titanium alloy in the casting mold, and removing the cast component from the casting mold.

17. (Previously presented) The method as defined in claim 15, wherein a titanium aluminum molten alloy is filled into the casting mold to produce a gas turbine component.